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***** STN Columbus *****

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'EPFULL' ENTERED AT 11:06:49 ON 09 SEP 2009

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FILE 'RDISCLOSURE' ENTERED AT 11:06:49 ON 09 SEP 2009

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FILE 'USPATFULL' ENTERED AT 11:06:49 ON 09 SEP 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 11:06:49 ON 09 SEP 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:06:49 ON 09 SEP 2009

CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s poly arylene sulfide# or polyarylene sulfide

L1 2713 POLY ARYLENE SULFIDE# OR POLYARYLENE SULFIDE

=> s l1 and sulfur source and dihalo aromatic compound# and organic amide solvent#

5 FILES SEARCHED...

L2 34 L1 AND SULFUR SOURCE AND DIHALO AROMATIC COMPOUND# AND ORGANIC
AMIDE SOLVENT#

=> s l2 and alkali metal hydroxide#

L3 31 L2 AND ALKALI METAL HYDROXIDE#

=> s l3 and wash? and water and hydrophilic organic solvent#

L4 4 L3 AND WASH? AND WATER AND HYDROPHILIC ORGANIC SOLVENT#

=> d l4 1-4

L4 ANSWER 1 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU ON STN

AN 2005:19542 EPFULL EDP 20051026 ED 20051026 UP 20051026

DUPD 20051026 DUPW 200543

TIEN POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE
SAME.

TIFR SULFURE DE POLYARYL NE ET PROC D POUR PRODU

IRE

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CELUI-CI.

IN SATO, Hiroyuki c/o Nishiki Research Lab Kureha, chem Ind co 16, Ochia
Nishiki-Machi Iwaka-shi, Fukushima 974 8686, JP;
SUZUKI, Koichi c/o Nishiki Research Lab Kureha, Chem Ind Co 16, Ochia
Nishiki-machi Iwaki-shi, Fukushima 974 8686, JP;
KAWAMA, Hirohito c/o Nishiki Plant Kureha Chem, Ind Co 16, Ochia
Nishiki-machi Iwaka-shi, Fukushima 9748686, JP

PA Kureha Chemical Industry Company, Limited, 1-9-11, Nihonbashi
Horidome-cho, Chuo-ku, Tokyo 103-8552, JP

PAN 4076311

DT Patent

LAF Japanese

LA English

LAP English

TL English; French

PIT WOAl International application published with search report

PI WO 2005078006 A1 20050825

DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL
PT RO SE SI SK TR

EXTENSION STATES: AL BA HR LV MK YU

AI EP 2005-710270 A 20050209
WO 2005-JP2370 A 20050209

PRAI JP 2004-34397 A 20040212

IC.VER 7

ICM C08G075-02

AN 2005:19542 EPFULL EDP 20051026 ED 20061025 UP 20070516
DUPD 20070516 DUPW 200720

TIEN POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE
SAME.

TIFR SULFURE DE POLYARYLENE ET PROCEDE POUR PRODUIRE CELUI-CI.

TIDE POLYARYLENSULFID UND HERSTELLUNGSVERFAHREN DAFUER.

IN SATO, Hiroyukic/o Research Center Kureha Corp., 16,
OchiaiNishiki-machilwaki-shi, Fukushima 974-8686, JP;
SUZUKI, Koichic/o Research Center Kureha Corp., 16,
OchiaiNishiki-machilwaki-shi, Fukushima 974-8686, JP;
KAWAMA, Hirohitoc/o Kureha Corporation, 3-3-2, Nihonbashi-Hamacho,
Chuo-ku, Tokyo 1038552, JP

PA Kureha Corporation, 3-3-2, Nihonbashi-Hamacho, Chuo-ku, Tokyo 103-8552,
JP

PAN 7199200

AG Albrecht, Thomas, Kraus & Weisert Patent- und Rechtsanwaelte
Thomas-Wimmer-Ring 15, 80539 Muenchen, DE

AGN 83201

DT Patent

LAF Japanese

LA English

LAP English

TL German; English; French

PIT EPAl Application published with search report

PI EP 1714994 A1 20061025
WO 2005078006 20050825

DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL
PT RO SE SI SK TR

AI EP 2005-710270 A 20050209
WO 2005-JP2370 A 20050209

PRAI JP 2004-34397 A 20040212

RECA 13. THERE ARE 13 CITED AUTHOR REFERENCES (13 PATENT, 0 NON PATENT)
AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.

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IPCI C08G0075-02 [I,A]
C08G0075-00 [I,C*]

L4 ANSWER 2 OF 4 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

AN 2004:146065 EPFULL EDP 20050907 ED 20050907 UP 20050907
DUPD 20050907 DUPW 200536

TIEN POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE
SAME.

TIFR SULFURE DE POLYARYL NE, ET M THODE DE PRODUCTION.
IN SATO, H., Kureha Chemical Industry Co., Ltd., Nishiki Research Labs.,
16, Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;
SUZUKI, K., Kureha Chemical Industry Co., Ltd., Nishiki Research Labs.,
16, Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;
KAWAMA, H., Kureha Chemical Industry Co., Ltd., Nishiki Research Labs.,
16, Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP

PA KUREHA CHEMICAL INDUSTRY CO., LTD., 9-11, Nihonbashi Horidome-cho
1-chome, Chuo-ku, Tokyo 103-8552, JP

PAN 4076310
DT Patent
LAF Japanese
LA English
LAP English
TL English; French

PIT WO/Al International application published with search report
PI WO 2005063853 A1 20050714

DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL
PT RO SE SI SK TR
EXTENSION STATES: AL BA HR LV MK YU

AI EP 2004-807831 A 20041220
WO 2004-JP19476 A 20041220

PRAI JP 2003-435462 A 20031226

IC.VER 7
ICM C08G075-02

AN 2004:146065 EPFULL EDP 20050907 ED 20060920 UP 20090422
DUPD 20090422 DUPW 200917

TIEN POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE
SAME.

TIFR SULFURE DE POLYARYLENE, ET METHODE DE PRODUCTION.
TIDE POLYARYLENSULFID UND HERSTELLUNGSVERFAHREN DAFUER.
IN SATO, Hiroyuki c/o Res. Center, Kureha Corporation, 16, Ochiai,
Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;
SUZUKI, Koichi c/o Res. Center, Kureha Corporation, 16, Ochiai,
Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;
KAWAMA, Hirohito c/o Kureha Corporation, 3-3-2, Nihonbashi-Hamacho,
Chuo-ku, Tokyo 103-8552, JP

PA Kureha Corporation, 3-3-2, Nihonbashi-Hamacho, Chuo-ku, Tokyo 103-8552,
JP

PAN 7199200
AG Jones, Helen M.M., Gill Jennings & Every LLP Broadgate House 7 Eldon
Street, London EC2M 7LH, GB

AGN 57931
DT Patent
LAF Japanese
LA English
LAP English
TL German; English; French

PIT EP/Al Application published with search report

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PI	EP 1702943	A1	20060920
	WO 2005063853		20050714
DS	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL		
	PT RO SE SI SK TR		
AI	EP 2004-807831	A	20041220
	WO 2004-JP19476	A	20041220
PRAI	JP 2003-435462	A	20031226
RECA	12. THERE ARE 12 CITED AUTHOR REFERENCES (12 PATENT, 0 NON PATENT)		
	AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.		
IPCI	C08G0075-02	[I,A]	
	C08G0075-00	[I,C*]	
AN	2004:146065 EPFULL EDP 20050907 ED 20090826 UP 20090826		
	DUPD 20090826 DUPN 200935		
TIEN	POLYARYLENE SULFIDE AND PROCESS FOR PRODUCING THE		
	SAME.		
TIFR	SULFURE DE POLYARYLENE, ET METHODE DE PRODUCTION.		
TIDE	POLYARYLENSULFID UND HERSTELLUNGSVERFAHREN DAFUER.		
IN	SATO, Hiroyuki c/o Res. Center, Kureha Corporation, 16, Ochiai,		
	Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;		
	SUZUKI, Koichi c/o Res. Center, Kureha Corporation, 16, Ochiai,		
	Nishiki-machi, Iwaki-shi, Fukushima 9748686, JP;		
	KAWAMA, Hirohito c/o Kureha Corporation, 3-3-2, Nihonbashi-Hamacho,		
	Chuo-ku, Tokyo 103-8552, JP		
PA	Kureha Corporation, 3-3-2, Nihonbashi-Hamacho, Chuo-ku, Tokyo 103-8552,		
	JP		
PAN	7199200		
AG	Jones, Helen M.M., Gill Jennings & Every LLP Broadgate House 7 Eldon		
	Street, London EC2M 7LH, GB		
AGN	57931		
DT	Patent		
LAF	Japanese		
LA	English		
LAP	English		
TL	German; English; French		
PIT	EPB1 Granted patent		
PI	EP 1702943	B1	20090826
	WO 2005063853		20050714
DS	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL		
	PT RO SE SI SK TR		
AI	EP 2004-807831	A	20041220
	WO 2004-JP19476	A	20041220
PRAI	JP 2003-435462	A	20031226
REP	EP 1586601	A	(INID56)
	EP 1277784	A1	(INID56)
	EP 1550685	A1	(INID56)
	EP 648797	A2	(INID56)
	JP 4139215	A	(INID56)
	JP 7118389	A	(INID56)
	JP 8183858	A	(INID56)
	JP 2000136246	A	(INID56)
	JP 2000191785	A	(INID56)
	JP 2000273175	A	(INID56)
	JP 2003292623	A	(INID56)
	JP 2004217895	A	(INID56)
	JP 2004244619	A	(INID56)
RECA	12. THERE ARE 12 CITED AUTHOR REFERENCES (12 PATENT, 0 NON PATENT)		
	AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.		
IPCI	C08G0075-02	[I,A]	

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C08G0075-00 [I,C*]

L4 ANSWER 3 OF 4 USPATFULL on STN
AN 2007:184784 USPATFULL
TI Poly (arylene sulfide) and production
process thereof
IN Sato, Hiroyuki, Fukushima, JAPAN
Suzuki, Koichi, Fukushima, JAPAN
Kawama, Hirohito, Tokyo, JAPAN
PI US 20070161777 A1 20070712
AI US 2004-584629 A1 20041220 (10)
WO 2004-JP19476 20041220
20060626 PCT 371 date
20031226
PRAI JP 2003-435462
DT Utility
FS APPLICATION
LN.CNT 969
INCL INCLM: 528/379.000
INCLS: 528/373.000
NCL NCLM: 528/379.000
NCLS: 528/373.000
IC IPCI C08G0075-00 [I,A]; C08L0081-00 [N,A]
IPCR C08G0075-00 [I,C]; C08G0075-00 [I,A]; C08G0075-02 [I,A];
C08L0081-00 [N,C]; C08L0081-00 [N,A]

L4 ANSWER 4 OF 4 USPATFULL on STN
AN 2007:107669 USPATFULL
TI Poly (arylene sulfide) and production
process thereof
IN Sato, Hiroyuki, Fukushima, JAPAN
Suzuki, Koichi, Fukushima, JAPAN
Kawama, Hirohito, Tokyo, JAPAN
PI US 20070093642 A1 20070426
AI US 2005-589006 A1 20050209 (10)
WO 2005-JP2370 20050209
20060810 PCT 371 date
20040212
PRAI JP 2004-34397
DT Utility
FS APPLICATION
LN.CNT 1435
INCL INCLM: 528/381.000
INCLS: 528/388.000
NCL NCLM: 528/381.000
NCLS: 528/388.000
IC IPCI C08G0075-14 [I,A]; C08G0075-00 [I,C*]
IPCR C08G0075-00 [I,C]; C08G0075-02 [I,A]; C08G0075-14 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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